

Report of the SAWG

July 1, 2003

Meeting of April 22-23, 2003

J.N. Bregman (Chair); W. Oegerle (Deputy Chair)

Main Issues:

The Celestial Navigator System

LAMBDA

AISRP

LAMBDA

Very nice website from which data are easily available.

Specialized format for CMB data sets (HEALPix; not FITS format)

*Concern about (1) ease of obtaining HEALPix software (subroutines have to be downloaded from Cern, etc.)
(2) conversion to a FITS image would be nice to have.*

Problems should be corrected as funds allow.

AISRP

Some past successes, but it did not rank highly in the Senior Review and it had its budget cut.

Some VO tools developed here, but not enough resources for the CNS initiative (even if all other programs were dropped).

Suffers from not having a traditional repository for its scholarly product (e.g., a journal).

If this issue were solved, it could be quite highly regarded.

Celestial Navigator System

Request by the SAWG to the ADEC to develop a limited (3 yr) NASA-only Virtual Observatory (VO) initiative that would support the primary goals of the SEUS and OS roadmaps.

Improve connectivity between the different archive centers (remove the barriers) and provide a uniform set of improved services.

Leverages from the NSF ITR project (many of the ADEC folks are part of that program), which has been involved with under the hood@ components.

Master Database and Master Name Resolver
merged and integrated database across all sites

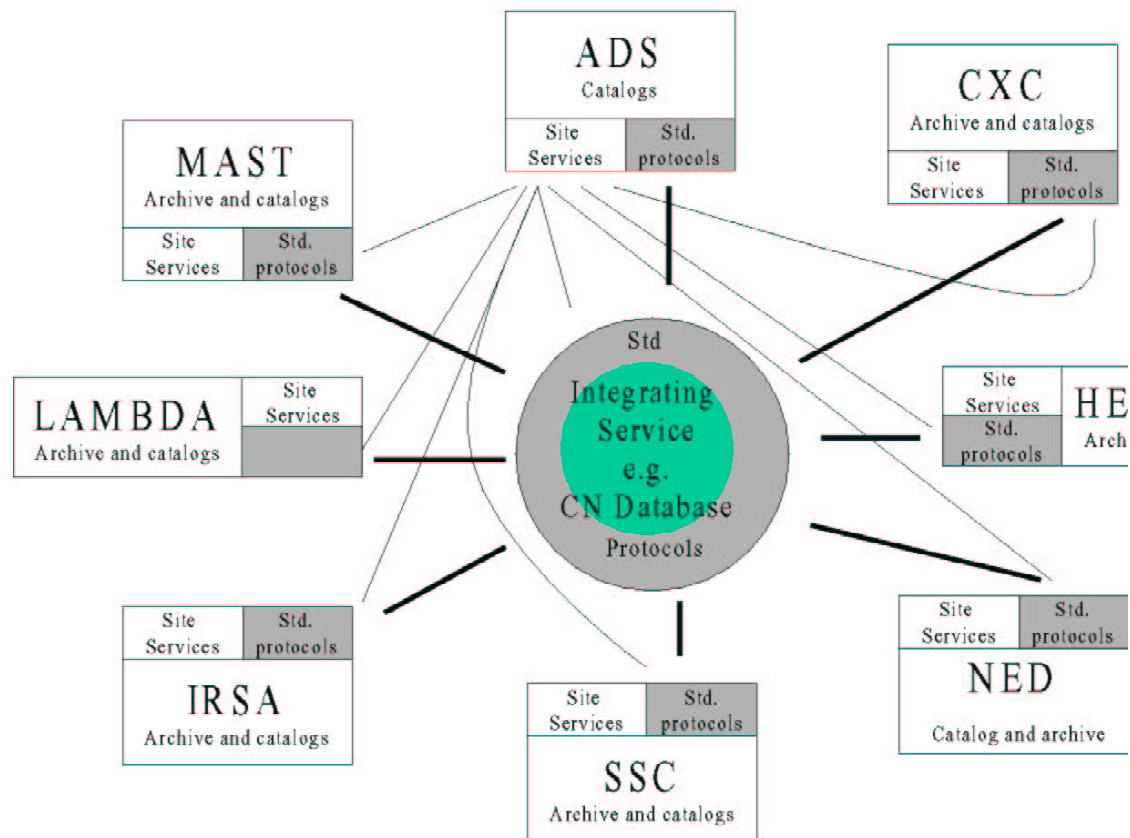
Cross-Archive Inventory Service
will account for different resolution, footprints, etc.

Coordinated Source Extraction
multi-wavelength source catalogs

Catalog Cross-Correlation Services
offered now, but not across archive sites

Improved Tools
SED generator and visualizer

Proposal for 3 yr at about 2 M\$/yr to begin as soon as feasible (FY 04) in order to overlap with NSF program.



Communications flows within the Celestial Navigator

